

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



PATENT APPLICATION

Atty. Docket No.:
Applicant:
Filing Date:

3981-033
Joel R. Goergen
February 5, 2002

Serial No. 10/068,420
Group: 2189

INFORMATION DISCLOSURE CITATION
FORM PTO-1449 (Modified)

U.S. PATENT DOCUMENTS

Exam Init	Ref	Document Number	Issue Date	Name	Class	Sub Class
<u>W</u>	_____	6,630,627	Oct. 7, 2003	Tobita		
<u>W</u>	_____	5,691,209	Nov. 25, 1997	Liberkowsky		

RECEIVED

MAR 23 2004

Technology Center 2100

FOREIGN PATENT DOCUMENTS

Exam Init	Ref	Document Number	Publication Date	Country	Name
<u>W</u>	_____	JP2001102755	2001-04-13	Japan	Hida, Yoichi

OTHER DOCUMENTS

Exam Init	Ref	Author, Title, Date, Pertinent Pages, Etc.
<u>W</u>	_____	Johnson and Graham; "High-Speed Digital Design, A Handbook of Black Magic"; 1993; pages 257-262

Examiner: Jim VoDate Considered: 7/10/04



PATENT APPLICATION

Docket No.:
Applicant:
Filing Date:

3981-033
Joel R. Goergen
February 5, 2002

Serial No. 10/068,420
Group: 2189

INFORMATION DISCLOSURE CITATION
FORM PTO-1449 (Modified)

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Exam Init	Ref	Document Number	Publication Date	Country	Name
<u>W</u>	<u> </u>	EP 1143761 A2	10/10/2001	EPO	Byers, Charles

OTHER DOCUMENTS

RECEIVED

JUN 24 2004

Technology Center 2100

Examiner: Jim Uo

Date Considered: 7/10/04

BEST AVAILABLE COPY

Applicant: Joel R. Goergen

Serial No. 10/068,420

Filing Date: February 5, 2002

Group: 2841

INFORMATION DISCLOSURE CITATION
FORM PTO-1449 (Modified)

U.S. PATENT DOCUMENTS

<u>Exam</u> <u>Init</u>	<u>Ref</u>	<u>Document</u> <u>Number</u>	<u>Issue</u> <u>Date</u>	<u>Name</u>	<u>Class</u>	<u>Sub-</u> <u>Class</u>
<u>W</u>	_____	5,566,083	10/15/96	Fang		
<u>W</u>	_____	5,261,153	11/16/93	Lucas		
<u>W</u>	_____	4,694,123	9/15/87	Massey		
<u>W</u>	_____	6,030,693	2/29/00	Boyko		
<u>W</u>	_____	5,311,406	5/10/94	Snodgrass		
<u>W</u>	_____	6,229,095	5/8/01	Kobayashi		
<u>W</u>	_____	5,397,861	3/14/95	Urquhart		
<u>W</u>	_____	6,015,300	1/18/00	Deangelis		
<u>W</u>	_____	5,841,074	11/24/98	Egan		
<u>W</u>	_____	4,862,161	8/29/89	Schomers		
<u>W</u>	_____	5,548,734	8/20/96	Pawlowski		

FOREIGN PATENT DOCUMENTS

<u>Document</u> <u>Number</u>	<u>Publication</u> <u>Date</u>	<u>Country</u>	<u>Name</u>
<u>W</u> _____	00 78105	12/21/00	WO Teradyne Inc.

OTHER DOCUMENTS

Exam Ref (Including Author, Title, Date, Pertinent Pages, etc.)
Init

W _____ Markstein, H.W.: "Ensuring Signal Integrity in Connectors, Cables, and Backplanes," Electronic Packaging and Production; Vol. 36, No. 11; October 1, 1996, pp. 61-69.

Jul —

Scaminaci, J: "Avoiding Signal Integrity Problems in Backplanes," Electronic Packaging and Production; Vol. 34, No. 7; July 1, 1994, pp. 40-44.

W —

Markstein, H.W.: "Impedances Dictate Backplanes," Electronic Design," Packaging and Production; Vol. 33, No. 12; December 1, 1993, pp. 38-40.

Examiner: Jim Jo

Date Considered: 7/10/04



COPY OF PAPERS
ORIGINALLY FILED

PATENT APPLICATION
Do. No. 3981-33

Applicant: Joel R. Goergen

Serial No. 10/068,420

Filing Date: February 5, 2002

Group: 2841

INFORMATION DISCLOSURE CITATION
FORM PTO-1449 (Modified)

U.S. PATENT DOCUMENTS

Exam Init	Ref	Document Number	Issue Date	Name	Class	Sub- Class
<u>W</u>	_____	6,081,430	06/27/00	La Rue		
<u>W</u>	_____	5,010,641	04/30/91	Sisler		
<u>W</u>	_____	5,870,274	02/09/99	Lucas		

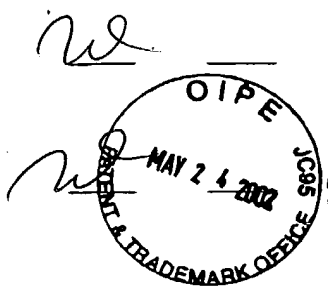
FOREIGN PATENT DOCUMENTS

Document Number	Publication Date	Country	Name
_____	_____	None	

OTHER DOCUMENTS

Exam Init	Ref	(Including Author, Title, Date, Pertinent Pages, etc.)
<u>W</u>	_____	1 Teradyne: Web ProForum Tutorial; <u>Design Considerations for Gigabit Backplane Systems Tutorial</u> printed on November 6, 2000 from website located at www.iec.org/tutorials/design_backplane/ ; pp. 1-43
<u>W</u>	_____	2 Teradyne: VHDM Home Page; <u>Backplane Assemblies and Connectors</u> printed on November 6, 2000 from website located at www.teradyne.com/prods/bps/vhdm/intro.html ; pp. 1-3
<u>W</u>	_____	3 Teradyne: Products; <u>Backplanes</u> printed on November 6, 2000 from website located at www.teradyne.com/prods/bps/vhdm/intro.html ; pp. 1-2
<u>W</u>	_____	4 Teradyne: VHDM Home Page; <u>VHDM High-Speed Differential</u> printed on November 6, 2000 from website located at www.teradyne.com/prods/bps/vhdm/intro.html ; pp. 1-3

RECEIVED
MAY 29 2002
TECHNOLOGY CENTER 2800



5 Teradyne: Virtual Exhibits; Total Interconnect Solutions printed on November 6, 2000 from website located at www.iec.org/exhibits/teradyne_02/; pp. 1-5

6 Cahners EDN Access; New printed-wiring-board materials guard against garbled gigabits printed on November 6, 2000 from website located at www.ednmag.com/ednmag/reg/1999/111199/23ms593.htm; pp. 1-5

7 PARKnelco; N4000-6 Overview and product description; pp. 1-2

8 PARKnelco; N6000 and N6000SI Overview and product description; pp. 1-2

9 PARKnelco; N7000-2 HT Laminate and N7000-3 Prepeg Overview and product description; pp. 1-2

10 PARKnelco; N8000 Overview and product description; pp. 1-2

Examiner: Lin Do

Date Considered: 7/10/04

RECEIVED
MAY 29 2002
TECHNOLOGY CENTER 2800

PATENT APPLICATION

Atty. Docket No.: 3981-033 Serial No. 10/068,420
Applicant: Joel R. Goergen
Filing Date: February 5, 2002 Group: 2189

INFORMATION DISCLOSURE CITATION
FORM PTO-1449 (Modified)

U.S. PATENT DOCUMENTS

None

FOREIGN PATENT DOCUMENTS

None

OTHER DOCUMENTS

<u>Examiners</u> <u>Initial</u>	<u>Ref.</u>	<u>Description</u>
<u>W</u>	Ex. A	Original Submission Request for Non-Publication-Rescinded Serial No. 10/068,420; dated July 31, 2002; 1 page
<u>W</u>	Ex. B	Original Submission Request for Non-Publication - Rescinded Serial No. 10/068,616; dated July 31, 2002; 1 page
<u>W</u>	Ex. C	Corrected filing receipt for '616 application; dated September 9, 2002; 2 pages
<u>W</u>	Ex. D	Resubmission copies of Request for Non-Publication-Rescinded and coversheet Serial No. 10/068,420; dated June 13, 2003; 2 pages
<u>W</u>	Ex. E	Notice Regarding Rescission Serial No. 10/068,420; dated June 13, 2003; 1 page
<u>W</u>	Ex. F	Notice of Publication Serial No. 10/068,420; dated September 25, 2003; 1 page

Examiner: Jim O

Date Considered: 7/10/04



PATENT APPLICATION

Atty. Docket No.:
Applicant:
Filing Date:

3981-033
Joel R. Goergen
February 5, 2002

Serial No. 10/068,420
Group: 2189

RECEIVED

NOV 17 2003

Technology Center 2100

INFORMATION DISCLOSURE CITATION
FORM PTO-1449 (Modified)U.S. PATENT DOCUMENTS

Exam Init	Ref	Document Number	Issue Date	Name	Class	Sub Class
--------------	-----	--------------------	---------------	------	-------	--------------

FOREIGN PATENT DOCUMENTS

Exam Init	Ref	Document Number	Publication Date	Country	Name
--------------	-----	--------------------	---------------------	---------	------

OTHER DOCUMENTS

Exam Init	Ref	Author, Title, Date, Pertinent Pages, Etc.)
--------------	-----	---

W _____

Markstein, H.W.: *Impedances Dictate Backplanes*, Electronic Design, Packaging and Production; Vol. 33, No. 12; December 1, 1993, pp. 38-40.

W _____

Markstein, H.W.: *Packaging for High-Speed Logic* Electronic Packaging and Production, No. 9, September 27, 1987 pp. 48-50

Examiner: Jim DoDate Considered: 7/10/04



PATENT APPLICATION

Att'y. Docket No.:
Applicant:
Filing Date:

3981-033
Joel R. Goergen
February 5, 2003

Serial No. 10/068,420
Group: 2189

INFORMATION DISCLOSURE CITATION
FORM PTO-1449 (Modified)

U.S. PATENT DOCUMENTS

Exam Init	Ref	Document Number	Issue Date	Name
<u>W</u>	_____	4,891,616	01/02/90	Renken, et al.
<u>W</u>	_____	5,308,926	05/03/94	Auerbuch, et al.
<u>W</u>	_____	5,682,298	10/28/97	Raynham
<u>W</u>	_____	6,091,609	07/18/00	Hutson, et al.
<u>W</u>	_____	6,181,004	01/30/01	Weir, et al.
<u>W</u>	_____	6,333,981	12/25/01	Koontz, et al.
<u>W</u>	_____	20020060366	05/23/02	Kikuchi, et al.

Class Sub
Class Class

RECEIVED

OCT 27 2003

Technology Center 2100

FOREIGN PATENT DOCUMENTS

Exam Init	Ref	Document Number	Publication Date	Country	Name
<u>W</u>	_____	EP 0594200 A2	04/27/94	EP	Digital Equipment Corporation
_____	_____				
_____	_____				
_____	_____				

OTHER DOCUMENTS

Exam
Init Ref Author, Title, Date, Pertinent Pages, Etc.)

Examiner: Wm DoDate Considered: 7/10/04